NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Biology The Nature of Science (Chapter 1 Outline)**

*Vocabulary*: Define in your own words

Hypothesis-

Control group-

Constant-

Dependent variable-

Data-

Homeostasis-

Adaptation-

Theory-

Law-

Stimulus-

Respond to the following questions:

What are the characteristics of living things? Describe each characteristic in detail. (8 pts)

What are some ethical concerns in science? Give an example of an ethical concern in science. (2 pts)

What are the differences between an observation and an inference? Explain. (2 pts)

Why are the metric system and the SI system important? Explain. (2 pts)

**Write three things that you learned about the Nature of Science**

*Make sure to write a full sentence.*

***Example sentence****: I learned that the independent variable is the variable that is manipulated in an experiment.*

*1.*

*2.*

*3.*